

# Converting Colors

Yxy(63.8541, 0.3119, 0.3455)

Have a look what the booklet for  
Yxy(63.8541, 0.3119, 0.3455)  
contains.

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# Color

**Yxy(63.8541, 0.3119, 0.3455)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7D5C7
RGB	199, 213, 199
RGB Percent	78%, 84%, 78%
CMY	0.2198, 0.1646, 0.2196
CMYK	0.07, 0.00, 0.07, 0.16
HSL	120°, 14%, 81%
HSV	120°, 7%, 84%
XYZ	57.6443, 63.8541, 63.3181
YIQ	207.2180, -3.8500, -7.3220

# Conversions

## Conversions Part 2

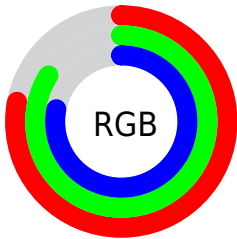
Format	Color
<a href="#">RYB</a>	<a href="#">199, 213, 213</a>
Decimal	<a href="#">13096391</a>
CIELab	<a href="#">83.89, -7.33, 5.29</a>
CIElCh	<a href="#">84, 9.037, 144.199</a>
Yxy	<a href="#">63.8541, 0.3119, 0.3455</a>
Android (android.graphics.Color)	<a href="#">4291286471 (0xFFC7D5C7)</a>
YUV	<a href="#">207.2180, -4.0515, -7.2072</a>
Hunter-Lab	<a href="#">79.9088, -11.0747, 8.9559</a>

# Details

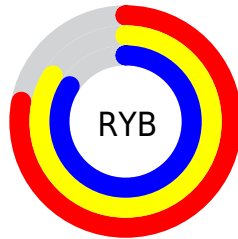
The Yxy color **63.8541, 0.3119, 0.3455** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.7717, 0.3135, 0.3130**, and the grayscale version is **62.5689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.5178, 0.3118, 0.3494** is the 20% darker color. If you saturate the color by 10%, you get **60.2273, 0.3105, 0.3734**, and if you desaturate by 10%, it is **68.0316, 0.3131, 0.3211**.

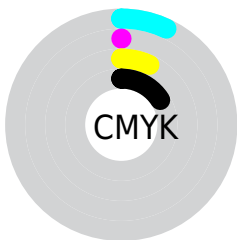
# Distribution



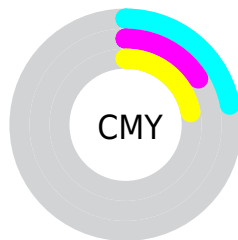
- Red (78%)
- Green (84%)
- Blue (78%)



- Red (78%)
- Yellow (84%)
- Blue (84%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)



- Cyan (22%)
- Magenta (16%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8541, 0.3119, 0.3455 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 63.8541, 0.3119, 0.3455 by changing the saturation by 10% instead.



■ 63.8541, 0.3119,  
0.3455

■ 63.8541, 0.3119,  
0.3455

438.6626, 0.3123,  
0.3376

■ 46.5325, 0.3118,  
0.3474

110.4008, 0.3121,  
0.3427

■ 32.6662, 0.3116,  
0.3497

140.3947, 0.3121,  
0.3416

■ 21.8709, 0.3114,  
0.3528

175.3815, 0.3122,  
0.3407

■ 13.7621, 0.3112,  
0.3569

215.7455, 0.3122,  
0.3399

■ 7.9554, 0.3107,  
0.3628

261.8713, 0.3123,  
0.3392

■ 4.0664, 0.3100,  
0.3717

314.1431, 0.3123,

■ 1.7108, 0.3085,

0.3386

372.9454, 0.3123,  
0.3381

0.3870

0.4306, 0.3030,  
0.5664

0.0000, 0.0000,  
0.0000

63.8541, 0.3119,  
0.3455

63.8541, 0.3119,  
0.3455

60.2273, 0.3105,  
0.3734

68.0316, 0.3131,  
0.3211

57.1204, 0.3090,  
0.4046

72.7728, 0.3142,  
0.3000

54.5122, 0.3074,  
0.4387

76.0792, 0.3146,  
0.2881

52.3768, 0.3057,  
0.4744

■ 50.6857, 0.3040,  
0.5097

■ 49.4077, 0.3025,  
0.5421

■ 48.5075, 0.3013,  
0.5688

■ 47.9436, 0.3005,  
0.5875

■ 47.6635, 0.3000,  
0.5975

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.8541, 0.3232, 0.3489



63.8541, 0.3119, 0.3455



63.8541, 0.3010, 0.3374

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.8541, 0.3119, 0.3455



63.8541, 0.2940, 0.3113



63.8541, 0.3325, 0.3304

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.8541, 0.3119, 0.3455



59.7717, 0.3135, 0.3130

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.8541, 0.3244, 0.3208



63.8541, 0.3119, 0.3455



63.8541, 0.3021, 0.3098

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.8541, 0.3119, 0.3455



63.8541, 0.2908, 0.3175



63.8541, 0.3132, 0.3133



63.8541, 0.3352, 0.3400



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.8541, 0.3119, 0.3455



63.8541, 0.2954, 0.3306



63.8541, 0.3132, 0.3133



63.8541, 0.3303, 0.3271

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63.8568, 0.3119, 0.3455



98.7227, 0.3125, 0.3339



65.8693, 0.3224, 0.3451



21.1441, 0.3125, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8568, 0.3119, 0.3455



95.0940, 0.3117, 0.3494



64.1887, 0.3072, 0.3372



13.8968, 0.3115, 0.3530



29.0707, 0.2999, 0.5997



1.7537, 0.2997, 0.5988



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



59.7717, 0.3135, 0.3130



87.6625, 0.3137, 0.3094



59.4247, 0.3186, 0.3209



12.6318, 0.3139, 0.3061



11.5493, 0.3219, 0.1547

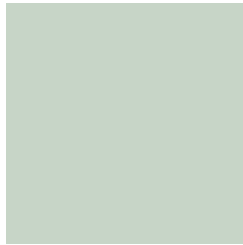


0.6969, 0.3217, 0.1546



# Previews

## White Background



This preview shows how the Yxy color 63.8541, 0.3119, 0.3455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

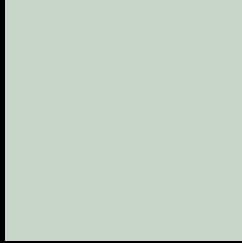
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8541, 0.3119, 0.3455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

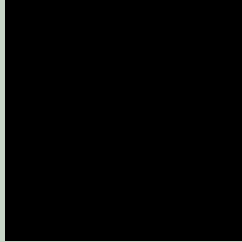
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

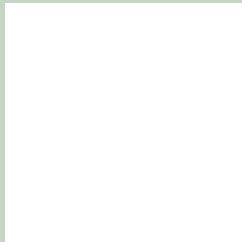
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.8541, 0.3119, 0.3455**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8541, 0.3119, 0.3455.



This preview shows how white text looks on a background with the Yxy color 63.8541, 0.3119, 0.3455.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

63.8541, 0.3119, 0.3455

### Protanopia

63.6962, 0.3274, 0.3427

### Deuteranopia

63.6139, 0.3371, 0.3302



## Tritanopia

63.7884, 0.2969, 0.3097

# Trichromacy



## Original Color

63.8541, 0.3119, 0.3455

## Protanomaly

63.8260, 0.3218, 0.3440

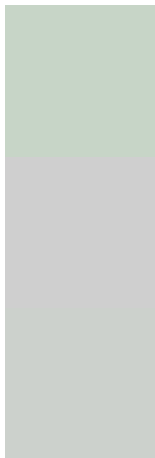
## Deuteranomaly

63.5284, 0.3278, 0.3358

## Tritanomaly

63.6076, 0.3028, 0.3221

# Monochromacy



## Original Color

63.8541, 0.3119, 0.3455

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.7979, 0.3124, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8541, 0.3119, 0.3455 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 213, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 213, 199)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 213, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 213, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8541, 0.3119, 0.3455 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 213, 199) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(199, 213, 199) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(199, 213, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 213, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 213, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 213,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8541, 0.3119, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 213, 199) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199,  
213, 199) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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